

Non-US Cite 7

PATENT ABSTRACTS OF JAPAN

No relevance
to subject matter
see JP38

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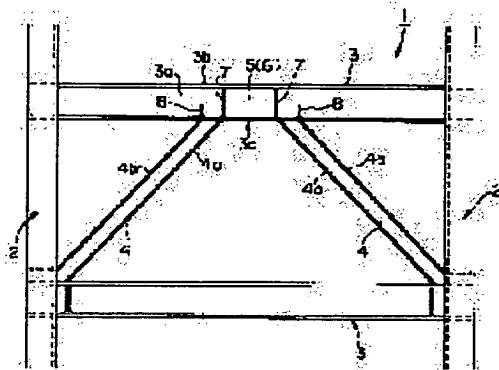
(21) Application number : 08-288843 (71) Applicant : SHIMIZU CORP
(22) Date of filing : 30.10.1996 (72) Inventor : ISODA KAZUHIKO

(54) VIBRATION-MITIGATING STRUCTURAL MEMBER

(57) Abstract:

PROBLEM TO BE SOLVED: To make it possible to obtain a high earthquake resistance and to obtain quick recovery after the occurrence of an earthquake without sacrificing space and much labor and time during construction process.

SOLUTION: K-type braces 4, 4 are provided between columns 2, 2 and beams 3, 3 constituting a structural member 1, a damper portion 5 made of extremely soft steel is formed between upper end portions of the braces 4, 4 where the shearing force becomes the maximum shearing force occurs at an upper beam 3, and this is supposed to have a shear yielding when a shearing force higher than an allowable limit acts to the damper portion 5 by an external force in a horizontal direction such as earthquake. Also, it is possible to constitute the damper portion 5 by a viscoelastic body. Moreover, the damper portion 5 can be made freely detachable to the beam 3.



LEGAL STATUS

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